

A B S T R A C T

The invention provides a method of fabricating a steel part, the method comprising the steps of:

- 5 · preparing and casting a steel having the following composition in percentage by weight: $0.06\% \leq C \leq 0.25\%$; $0.5\% \leq Mn \leq 2\%$; $traces \leq Si \leq 3\%$; $traces \leq Ni \leq 4.5\%$; $traces \leq Al \leq 3\%$; $traces \leq Cr \leq 1.2\%$; $traces \leq Mo \leq 0.30\%$; $traces \leq V \leq 2\%$; $traces \leq Cu \leq 3.5\%$; and satisfying at
10 least one of the following conditions:

 * $0.5\% \leq Cu \leq 3.5\%$;

 * $0.5\% \leq V \leq 2\%$;

 * $2 \leq Ni \leq 4.5\%$ and $1\% \leq Al \leq 2\%$;

- 15 the remainder being iron and impurities resulting from preparation;

 · hot deforming the cast steel at least once at a temperature in the range 1100°C to 1300°C in order to obtain a blank of the part;

- 20 · controlled cooling of the blank for the part in still air or forced air; and

 · heating the steel to perform precipitation annealing before or after machining the part from said blank.

- 25 The invention also provides a part obtained by the method.